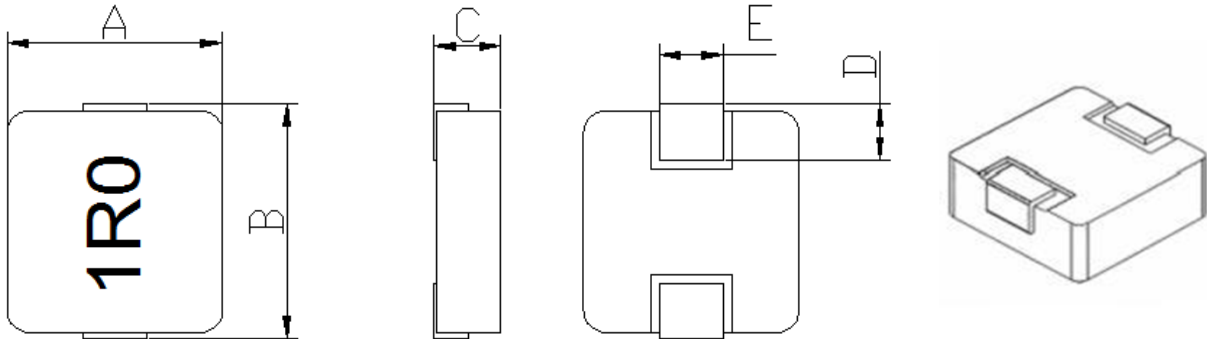


SMD POWER INDUCTORS: STB0402 Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
STB0402-Series	4.3 ± 0.2	4.6 ± 0.3	2.0MAX	1.0 ± 0.5	2.0 ± 0.2
Part Number	L0 Inductance (μ H) $\pm 20\%$	Heat Rating Current DC Amps.IDC(A)	Saturation Current Part Number DC Amps. Isat (A)	DCR $m\Omega$ TYPICAL 25 ° C	DCR $m\Omega$ MAX 25 ° C
STB0402-R10M	0.1	12.0	22.0	3.5	4.0
STB0402-R22M	0.22	9.0	12.5	6.0	6.6
STB0402-R47M	0.47	7.0	9.5	21.0	25.0
STB0402-R56M	0.56	6.5	10.0	23.0	27.0
STB0402-R68M	0.68	5.2	8.0	27.0	29
STB0402-1R0M	1.0	4.5	7.0	28.0	36.0
STB0402-1R2M	1.2	4.5	7.0	28.0	36.0
STB0402-1R5M	1.5	4.0	6.0	38.0	46.0
STB0402-2R2M	2.2	3.0	5.0	52	58
STB0402-3R3M	3.3	2.5	4.0	74.0	87.0
STB0402-4R7M	4.7	2.2	3.0	92	105.0

****:** Inductance Tolerance $\pm 20\%$

Note 1: All test data is referenced to 25°C ambient.

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: Isat : DC current (A) that will cause Lo to drop approximately 30%